

FIGURE 1A

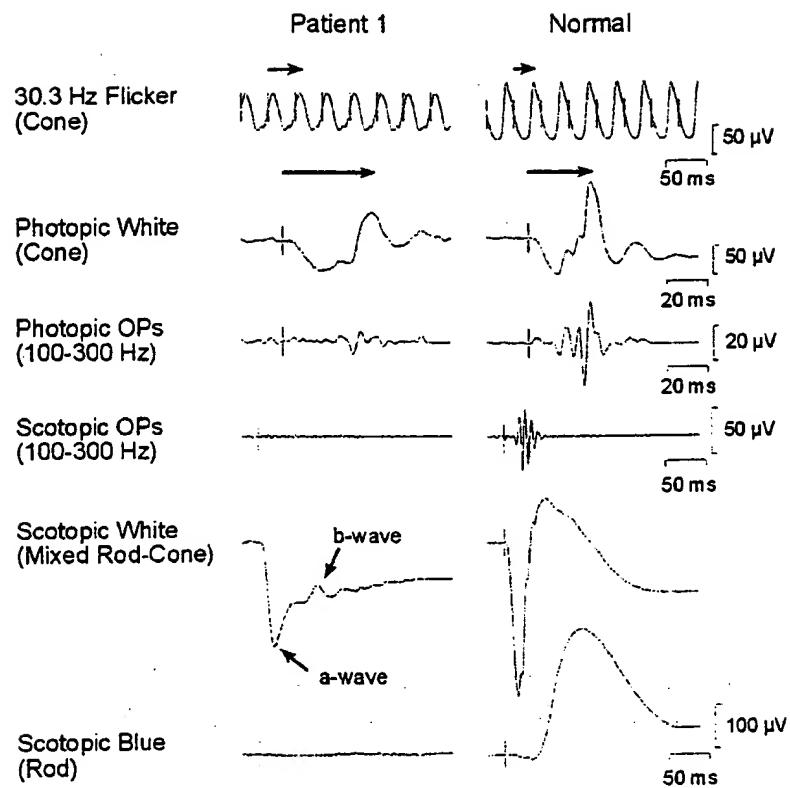


FIGURE 1B

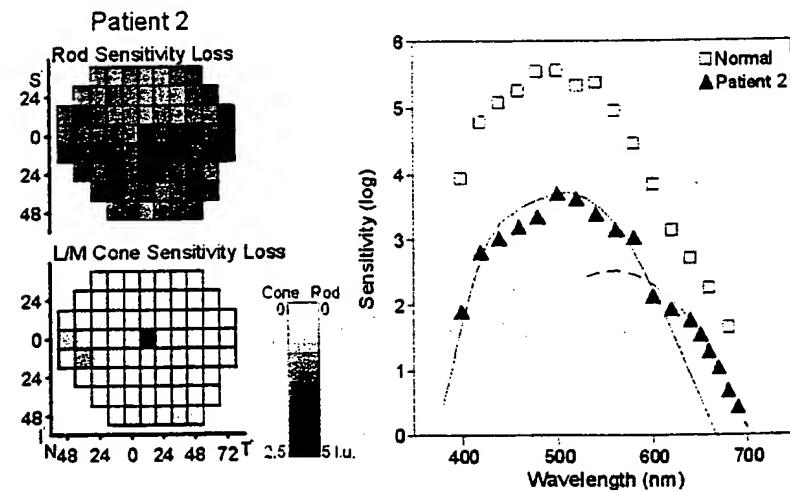
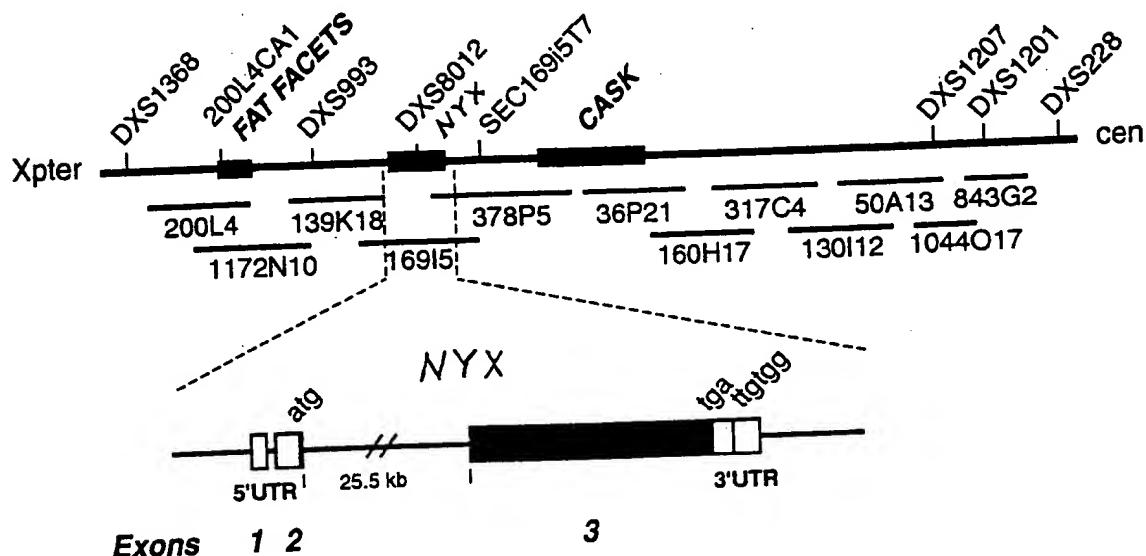


FIGURE 1C

FIGURE 3A

Physical map of the CSNB1 minimal region and genomic organization of *NYX*



Leucine-rich repeats and the distribution of mutations in the Nyctalopin protein

MKGRGMLVLLLHAVVLGLPSAWAVGA	<u>ARA</u>	<u>PAA</u>	<u>A</u>	STVERG	SVR	DR	-	50
	del							
1. AGLLRVPAELPCEAVSIDLDRNGL							-	74
2. RFLGERAFGTPLPSLRLSLRHNNL							-	98
3. SFITPGAFKGLPRLAELRLAHNGDL							-	123
4. RYLHARTFAALSRLRRLDLAACRL							-	147
5. FSVPERLIAELPALRELAADFNLFRRVPGALRGL							-	181
6. ANLTHAHL15LRRRLRSLSLQANRV							-	218
ERGRRIEAVASSSLOG							-	242
7. RAVHAGAFGDCGVLEHLLLNDNLL							-	266
8. AELPADAFRGLRRLRTLNLLGGNAL							-	290
9. DRVARAWFADLAELELLYLDLRSNI							-	314
10. AFVEEEGA <sup>▼</sup> QNLSGLLALHLNGNRL							-	338
11. TVLAWVAFQPGFFLGRLFLFRNPW								
β-sheet			α-helix					
↓								
DRLEWLDRWMEGSGRVTDVP	ASP	GSVAGLDL	SQVT	FGRSSDGL	VD		-	388
PEELNLTTSSPGPSPEPAATT	VS	RFSSL	LSKLLA	PRPV	VEEA	ANT	GG	LA
NASLSDSLLSSRGVGGAGRQ	PW	FLLA	SCLL	PSVAQ	HVV	FGL	QMD	

▲ insertions of SVPERLL, GLR and RLR, respectively  
 ▽ most likely signal peptide cleavage site

FIGURE 3B

FIGURE 3C

FIGURE 3D

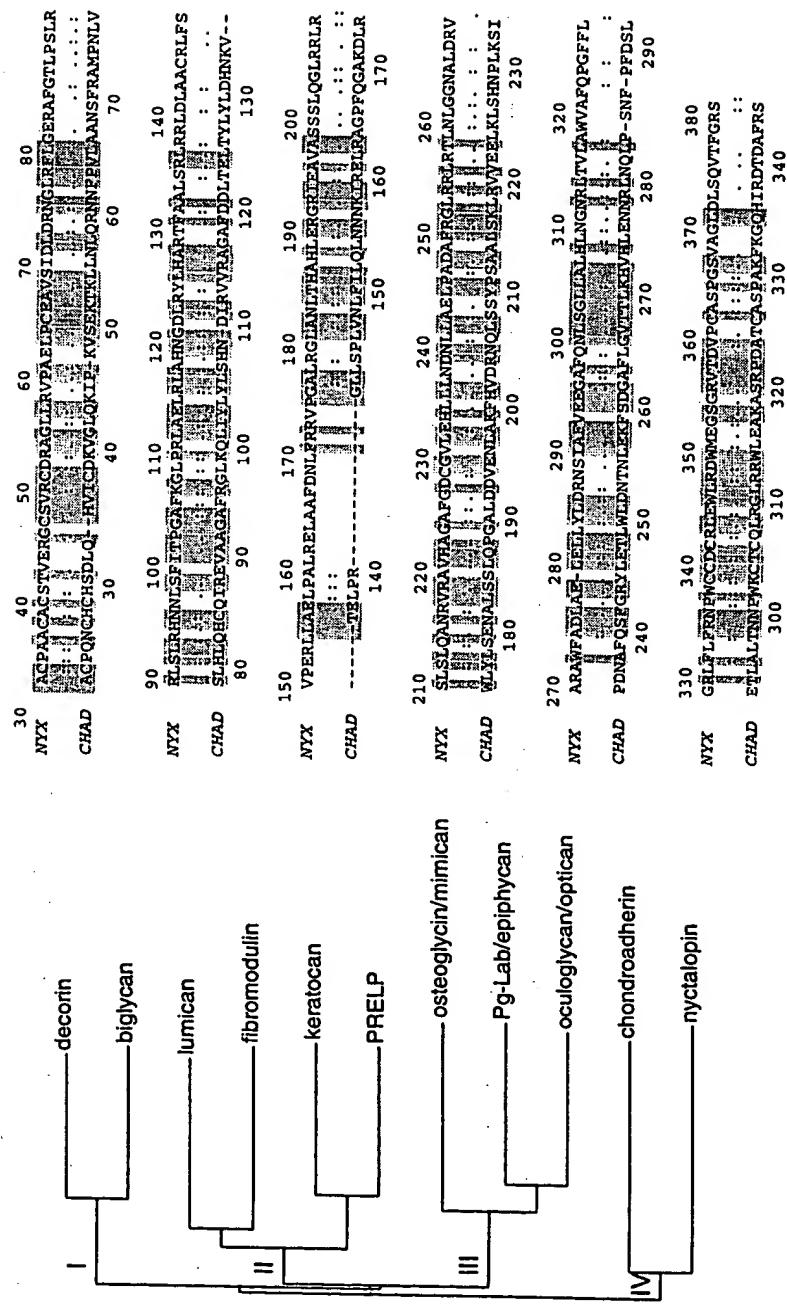


FIGURE 4A

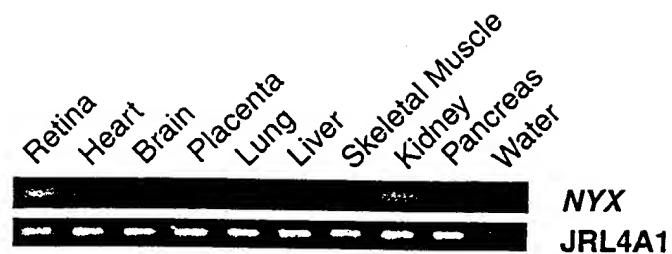
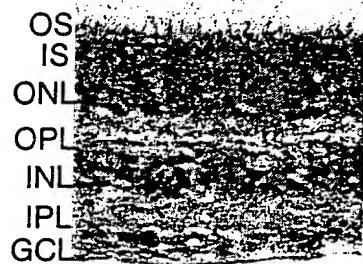
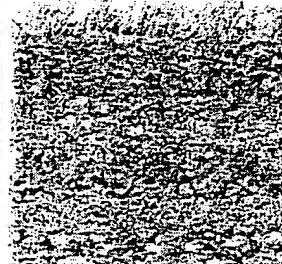


FIGURE 4B



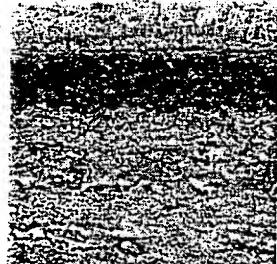
NYX-AS

FIGURE 4C



NYX-S

FIGURE 4D



RHO-AS

FIGURE 5A

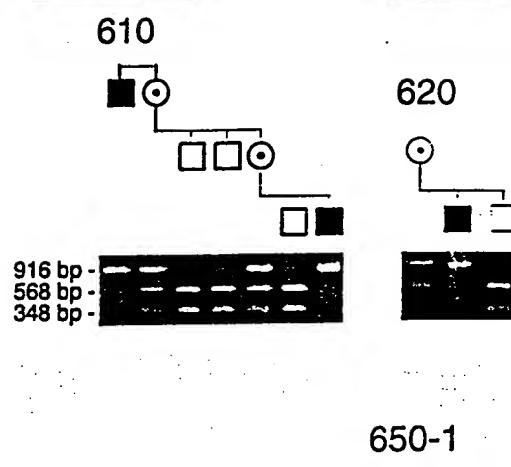
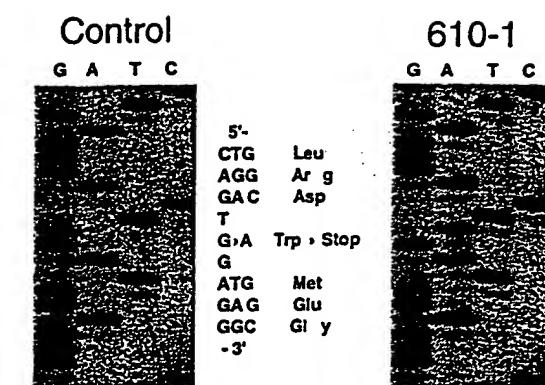


FIGURE 5B

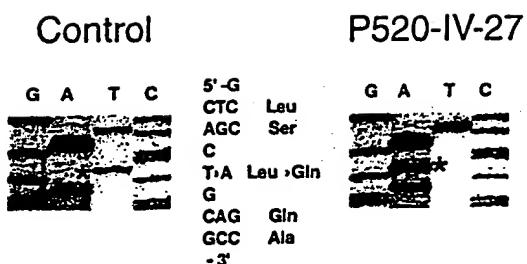


FIGURE 5C

FIGURE 5D